

PARTH PAHWA

AI Engineer

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SKILLS

Core AI & ML

Machine Learning · Deep Learning · Computer Vision · NLP · Predictive Analytics · Generative AI · LLMs · RAG Pipelines · Agentic AI

Frameworks & Libraries

PyTorch · TensorFlow · Keras · OpenCV · Hugging Face Transformers · LangChain · FAISS · Scikit-learn · Pandas · NumPy

Accelerated Computing & NVIDIA Stack

CUDA · TensorRT · NVIDIA NeMo · Triton Inference Server · cuDNN · ONNX

Full-Stack & Dev (Basic)

Python · React.js · Node.js · Express.js · MongoDB · Django · Flask · FastAPI · HTML/CSS · JavaScript

Data Science

Data Analysis · Data Visualization · Model Optimization · Transfer Learning · EDA · Evaluation Metrics · DSA

Soft Skills

Leadership · Communication · Public Speaking · Teamwork · Time Management · Theatre Arts



SUMMARY

AI Engineer with a strong foundation across the full AI umbrella — Machine Learning, Deep Learning, Computer Vision, and NLP. Backed by 1 year of cumulative internship experience, part of the NVIDIA Inception and Developer Programs, and NVIDIA DLI Certified. Skilled in building and deploying end-to-end, production-ready GenAI agents and accelerated AI systems using CUDA, NeMo, and TensorRT — focused on solving real-world problems with impact.



EXPERIENCE

Ernst & Young (EY) - AI/ML Intern

May 2025 – Jul 2025 | New Delhi, India

- Worked on “AI/ML Interventions in Government and Public Sector” under EY’s Technology Consulting. Researched AI use cases in India’s TTDF program and supported backend technical analysis. Simultaneously completed hands-on mini projects and certifications in RAG, LLMs, Deep Learning, Django, and CUDA-powered applications.

Smarrtif AI - Associate Consultant and AI Trainer

May 2025 – Jul 2025 | New Delhi, India

- Mentored/Consulted school, college, and corporate learners in core AI concepts and conducted technical interviews for hiring. Worked across multiple verticals contributing to client-facing GenAI solutions and internal PoCs.

NIIT University - Teaching Assistant

Feb 2025 - May 2025 | Neemrana, Rajasthan

- Supported faculty in delivering core Digital Image Processing concepts to undergrad students. Received excellent feedback for clarity in explaining matrices, filters, and computer vision techniques.

Labmentix, Collegetips.in, 1 Stop AI - AI Intern

6 Months Total | Remote

- Built and deployed 20+ AI/ML mini-projects covering supervised learning, NLP, computer vision, and model evaluation pipelines using Python and Scikit-learn.



PROJECTS

Agentic AI Document Assistant

(LangChain, OpenAI, Python, Google APIs, python-docx, pptx, Sheets API)

- Autonomous GenAI agent that converts natural language into fully formatted docs, spreadsheets, and presentations using LLM + Google APIs — drastically reducing manual formatting effort.

DigiBuddy – RAG + LLM GenAI Chatbot

(LangChain, Hugging Face, FAISS, OpenAI, Streamlit)

- Built a Retrieval-Augmented Generation (RAG) chatbot using fine-tuned LLMs for contextual question answering, vector search (FAISS), and prompt-engineered workflows to serve as a domain-specific virtual assistant.

Plant Disease Classifier with Accelerated Deep Learning

(TensorFlow, OpenCV, CNN, CUDA, NVIDIA DLI)

- Designed a leaf-image classifier for 38+ plant diseases, starting with ML models, then deep learning, and finally optimizing with CUDA for GPU-accelerated training, achieving real-time inference capability and 90%+ accuracy.

ML based Intrusion Detection System – Research Project

(Scikit-learn, Machine Learning, Feature Engineering)

- Published study comparing ensemble and linear ML models for network anomaly detection on CICDS-2017; emphasized feature selection and model tuning.

Retail Review Analyzer – Flipkart Customer Sentiment

(Pandas, NLTK, Matplotlib, Random Forest, NLP, EDA)

- Analyzed customer reviews to classify satisfaction scores and extract actionable insights via NLP and visualized sentiment-based business suggestions.

Supermarket Inventory + Demand Forecasting System

(Node.js, Express.js, MongoDB, React.js, HTML/CSS, ML)

- Built a full-stack billing and product management platform with integrated ML forecasting to optimize stock planning and reduce inventory waste.



CERTIFICATIONS

NVIDIA Deep Learning Institute (DLI)

- Getting Started with Deep Learning
- Introduction to Transformer-Based NLP
- Generative AI with Diffusion Models
- Building LLM Applications with Prompt Engineering
- Augment Your LLM Using Retrieval Augmented Generation (RAG)
- Rapid Application Development with LLMs
- Accelerated Computing with CUDA in Python

Forage Virtual Job Simulations

- Generative AI VS – BCG X
- Technology VS – Deloitte



EDUCATION

NIIT University

Bachelor of Technology in Computer Science (AI Specialization)

Neemrana, Rajasthan 08/2022 - 08/2026
GPA (current) | **8.18** / 10

Delhi Public School, Rohini

12th Standard - CBSE 2022
New Delhi, India
GPA | **9.74** / 10

LAUREL HIGH THE SCHOOL

10th Standard - CBSE 2020
New Delhi, India
GPA | **9.18**/10



LEADERSHIP & EXTRAS

President, Theatre Society – NIIT University
Organizer, Ingenuity Fest 2024 & 2025



PROOF OF WORK

[Portfolio Drive](#) – Certifications, Projects, LORs